

08/807567

FIG. 1A



FIG. 1B

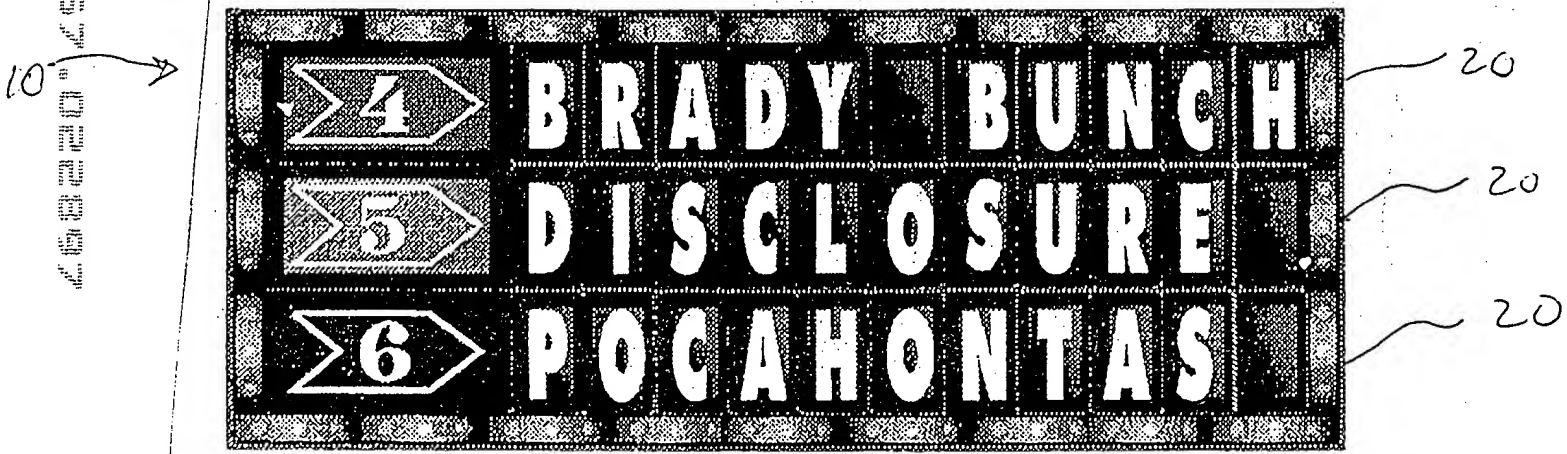
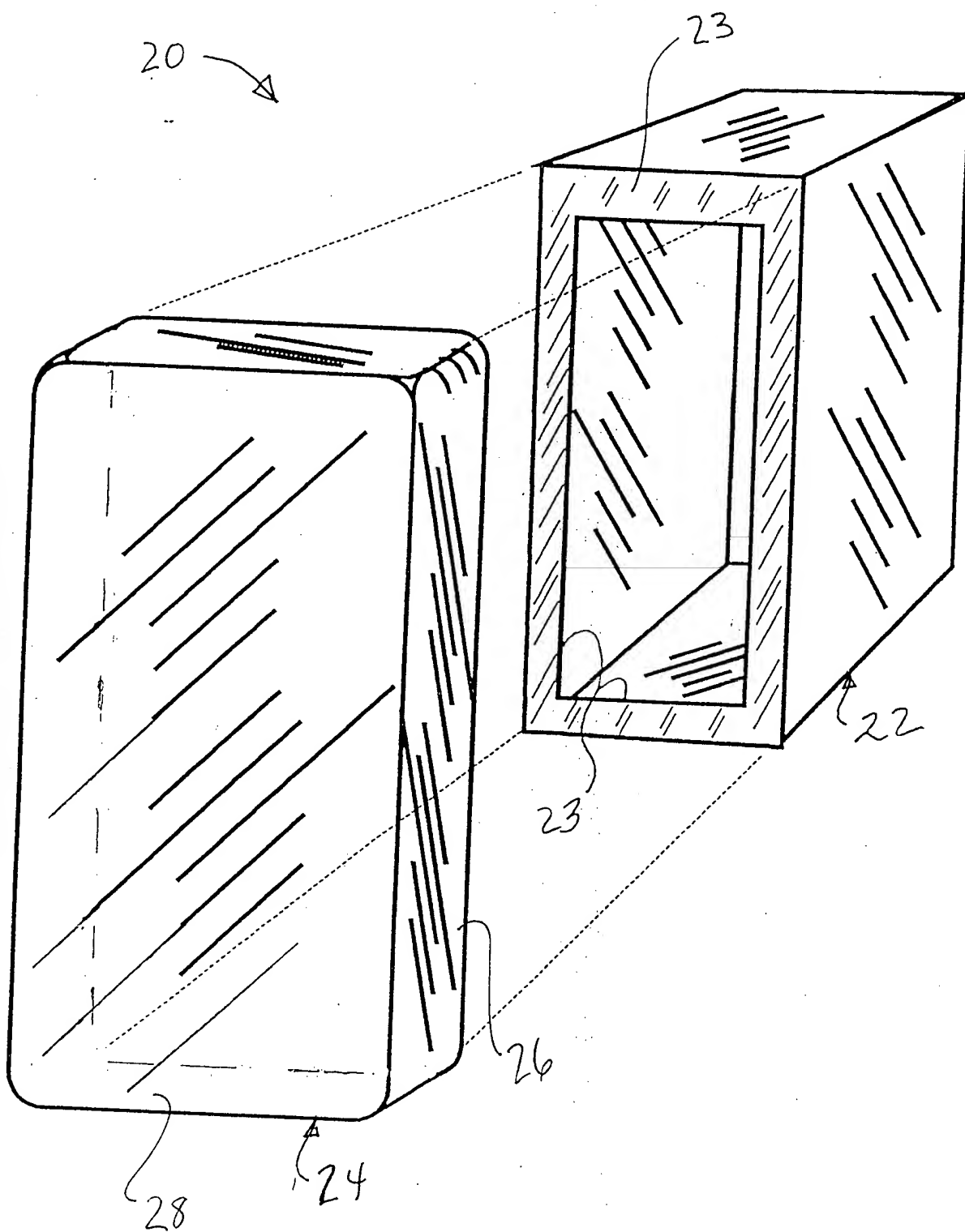


FIG. 2



2/19

08807567-02897

3/19

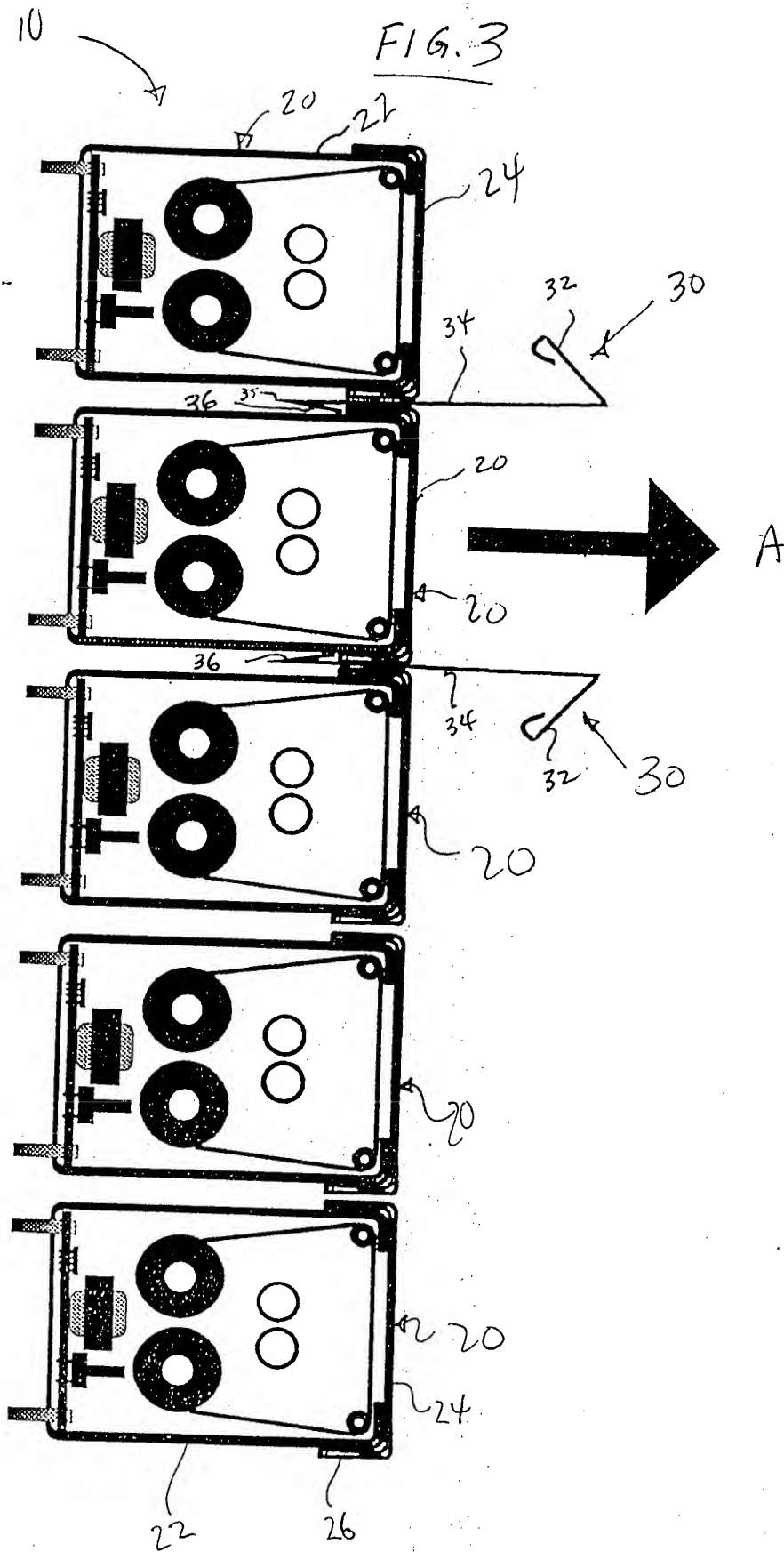


FIG. 4

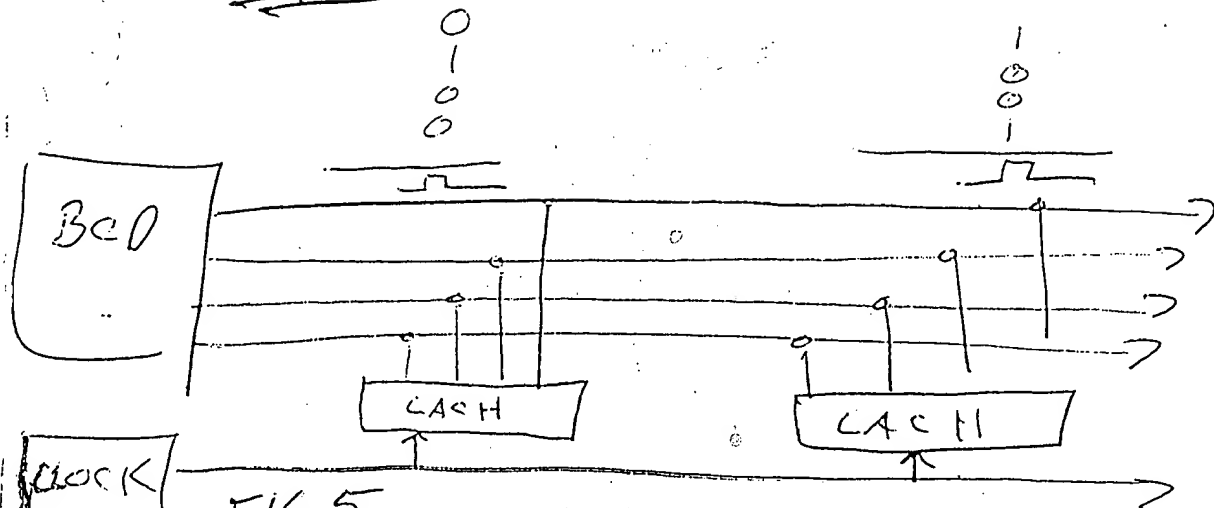


FIG. 5

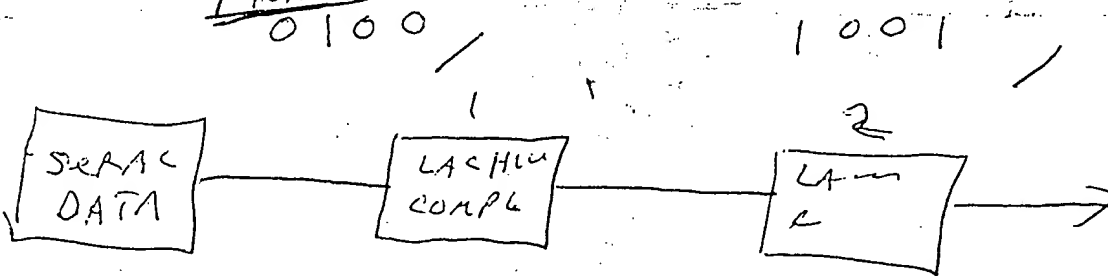


FIG. 6

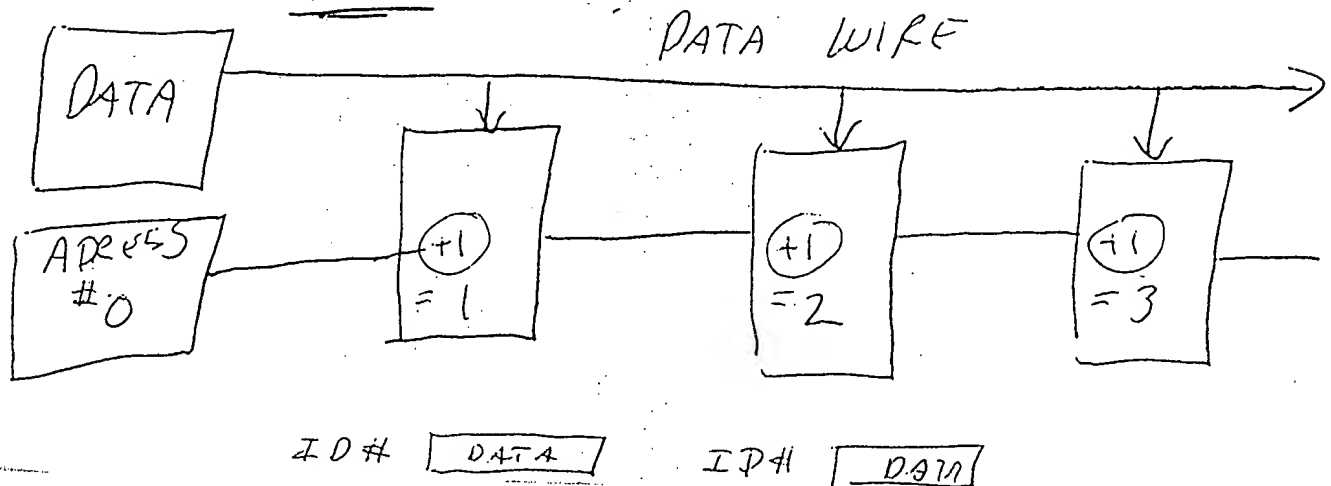


FIG. 7

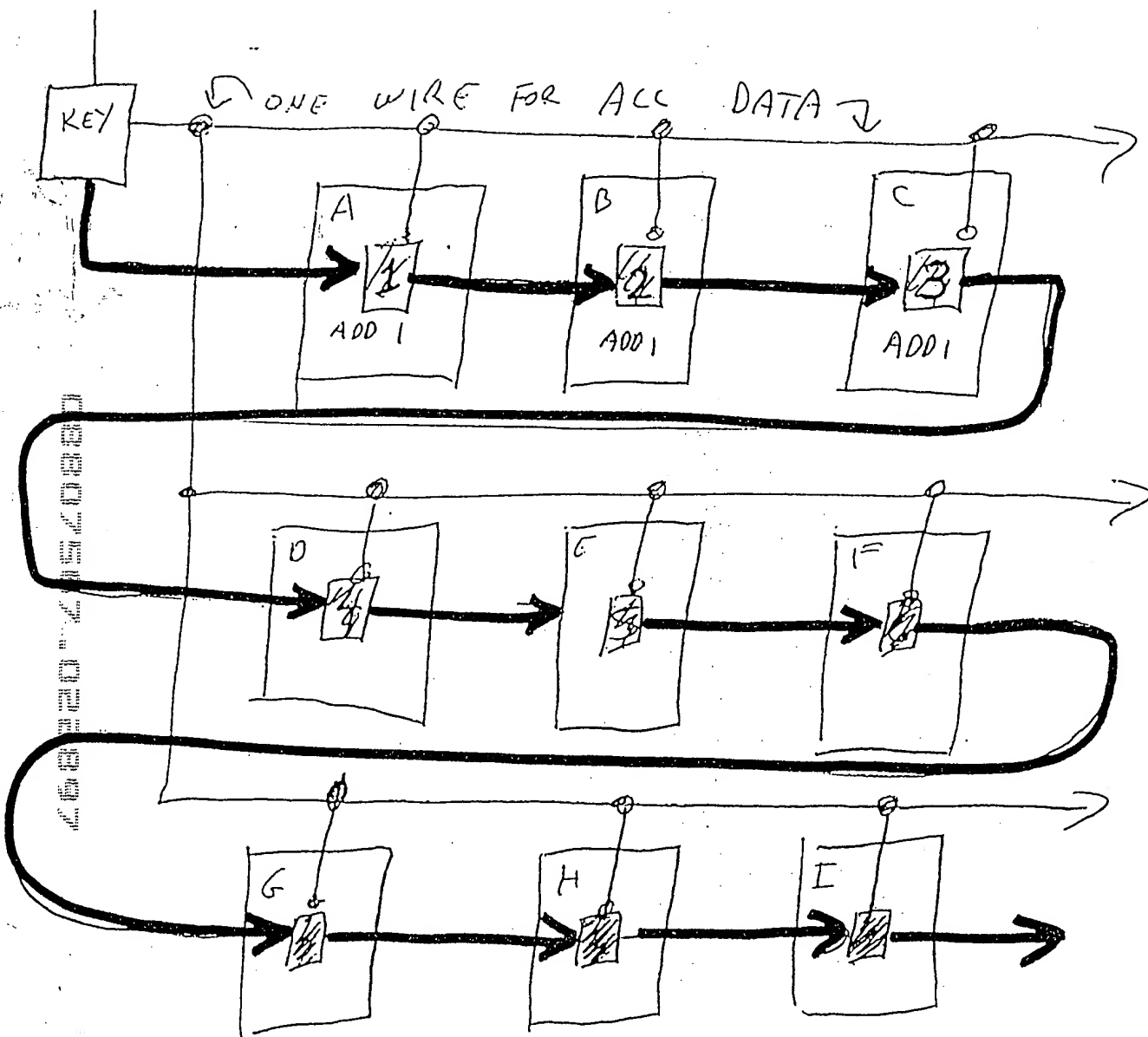
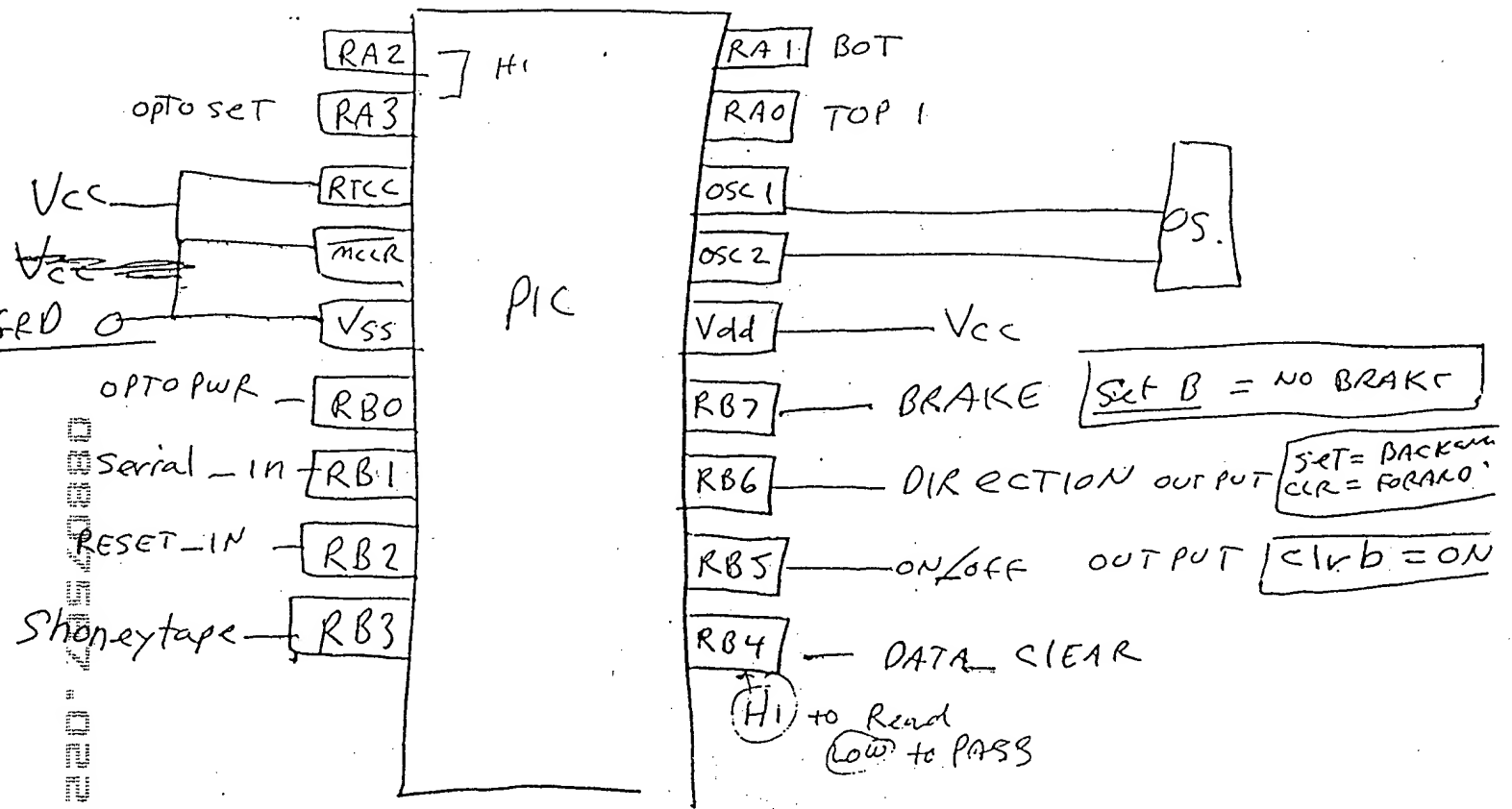
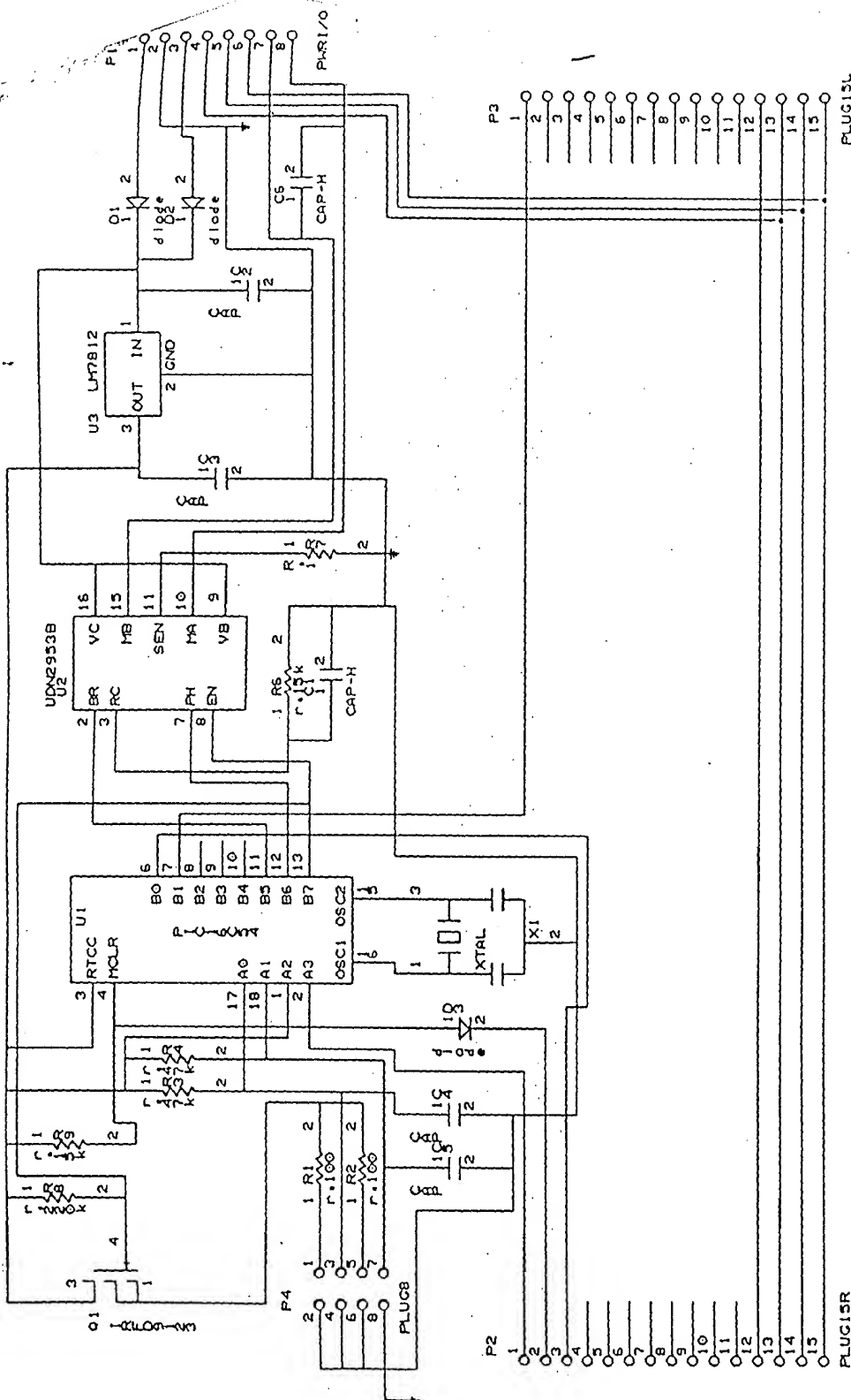


FIG. 8.



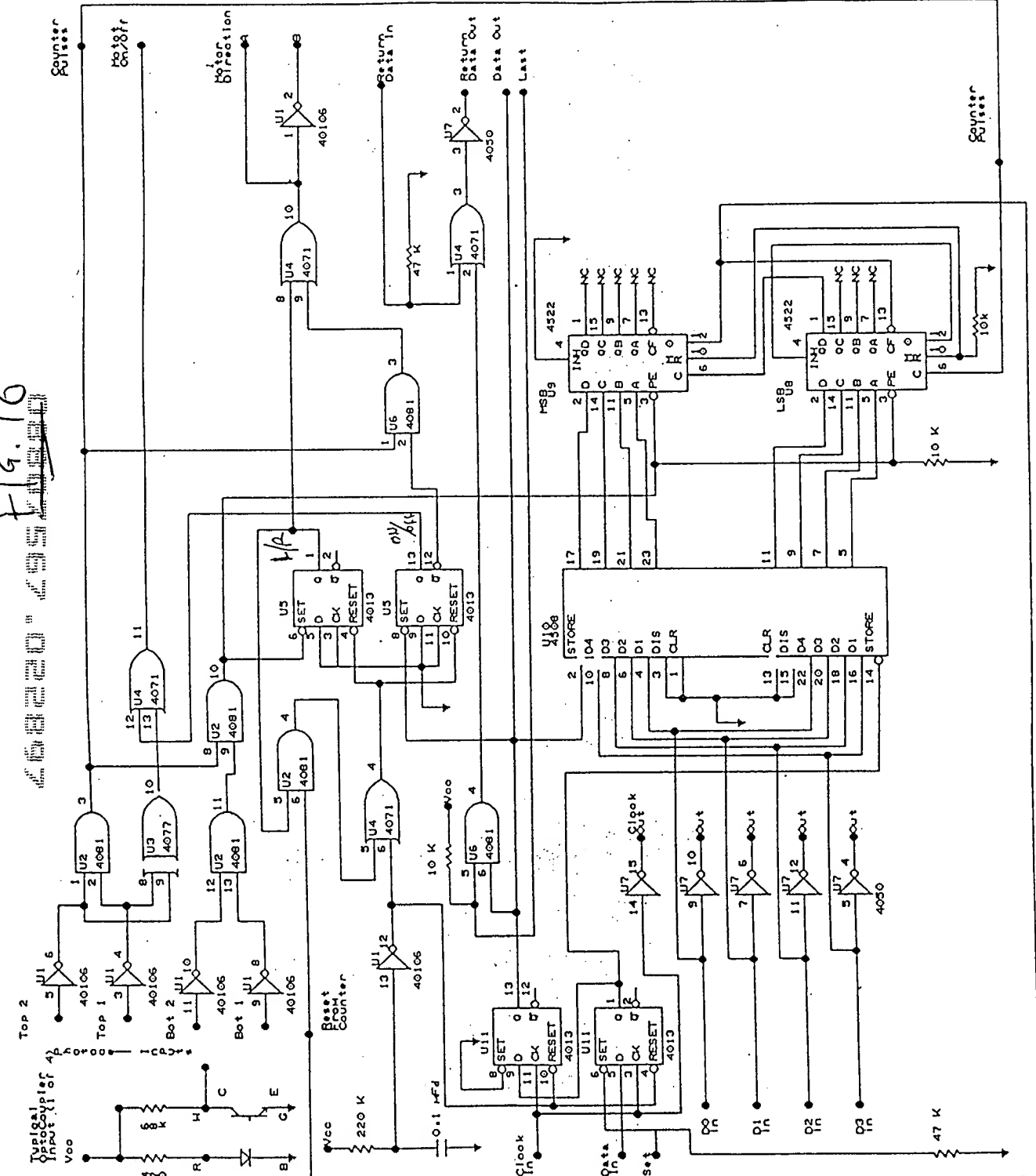
F19.9



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6/1/7

Fig. 10

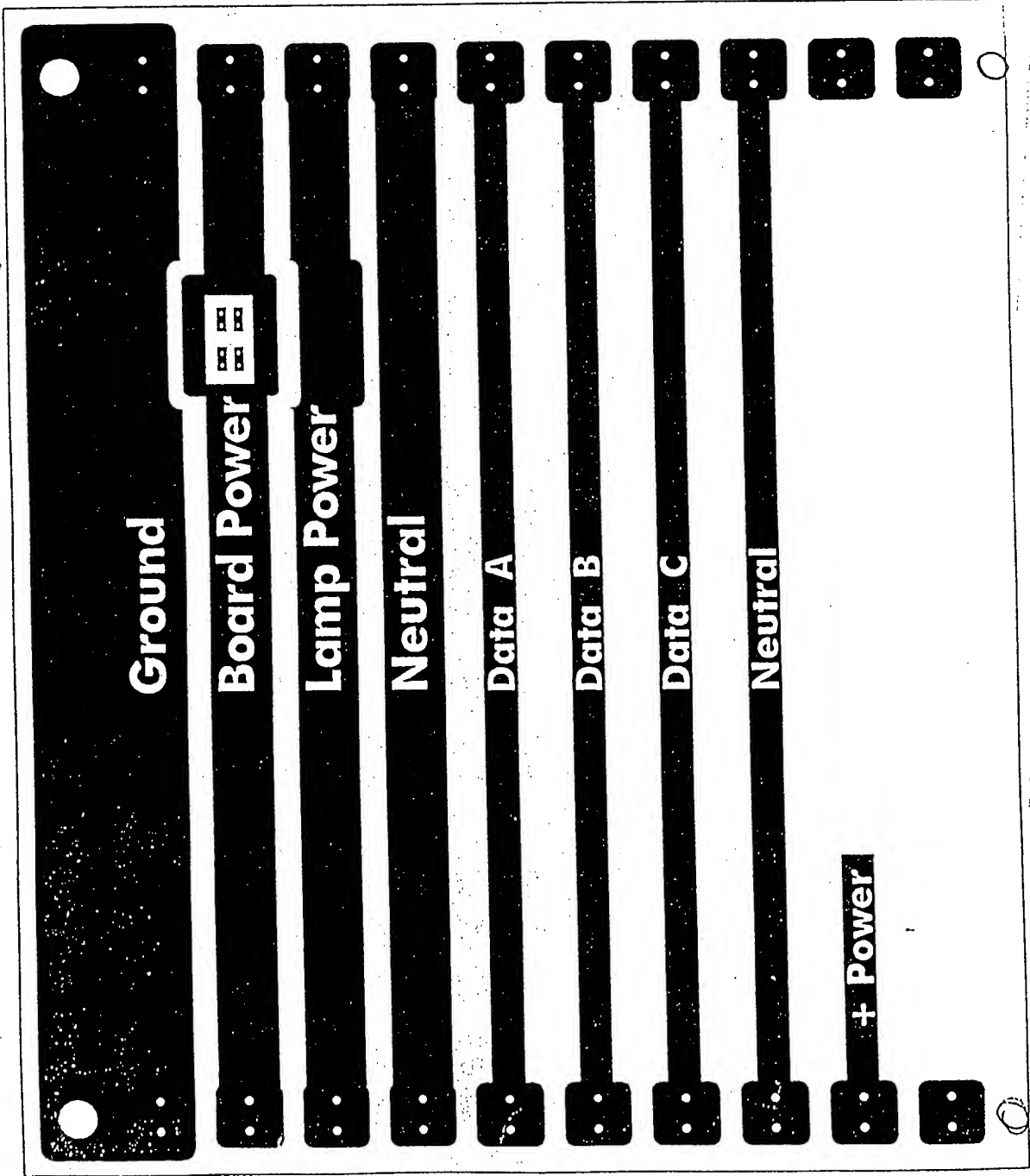


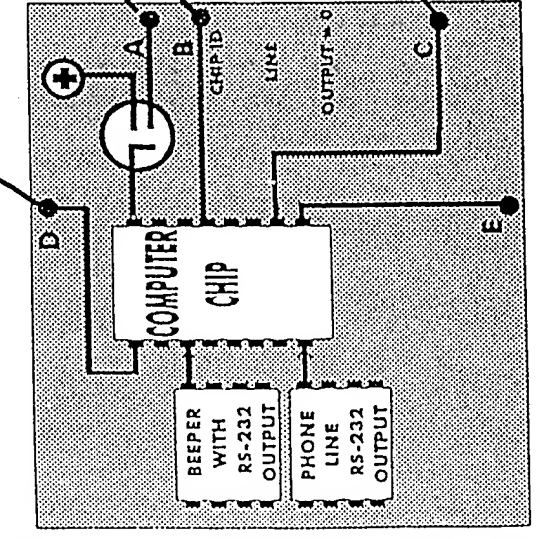
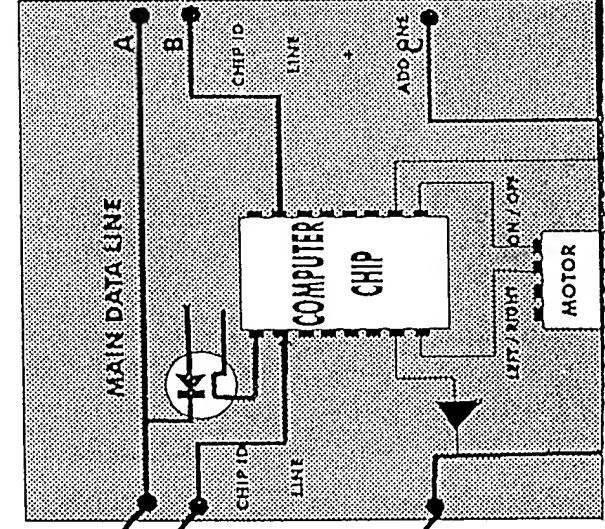
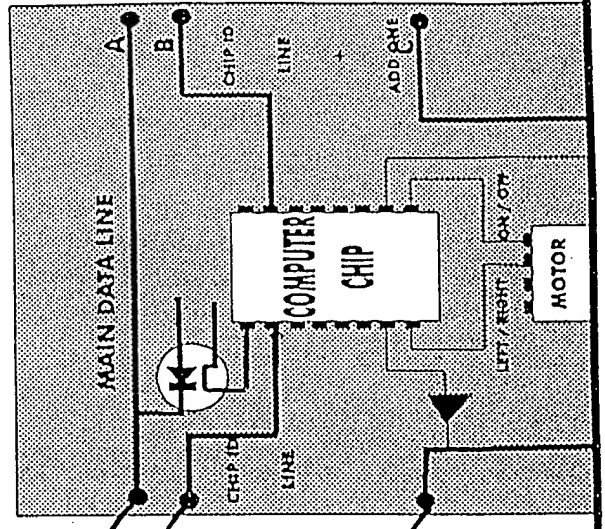
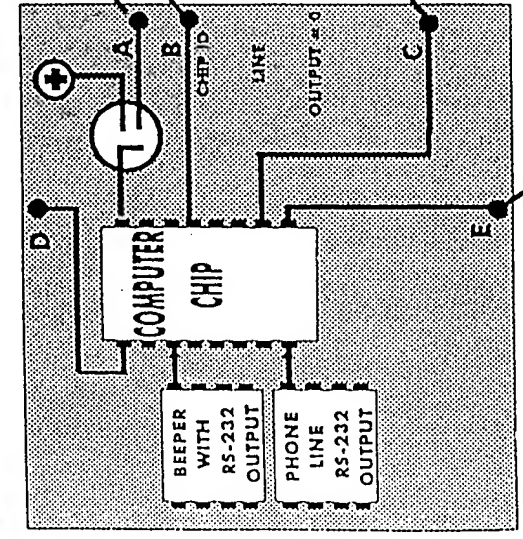
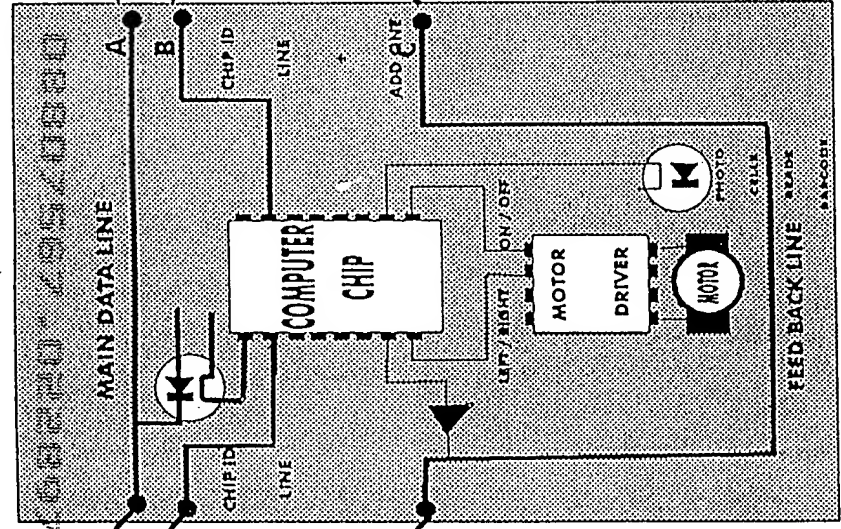
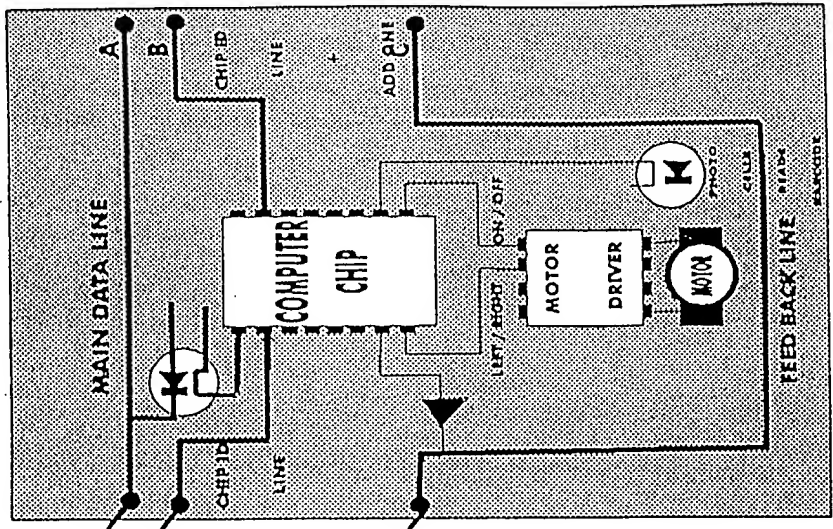
V. Kurdyia
Nov. 6, 1992
Revised for artwork
changes made to 8/26/92
schematic

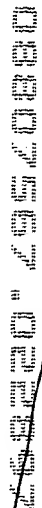
468220-2540880

Fig. 11

9/19





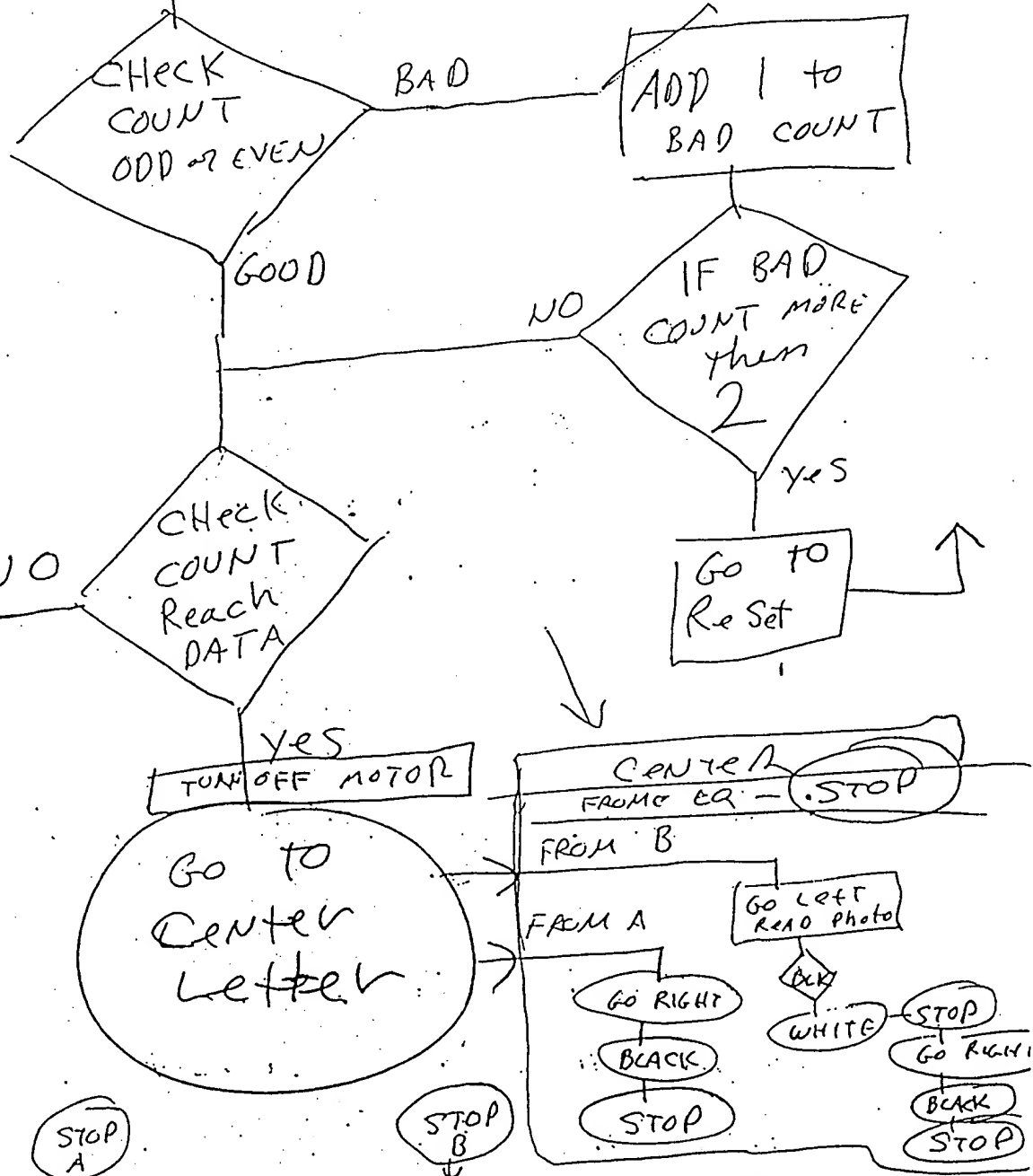


SHORT

LONG

PAGE 3

FIG. 13C



TAPE

WHT

PK

WHITE

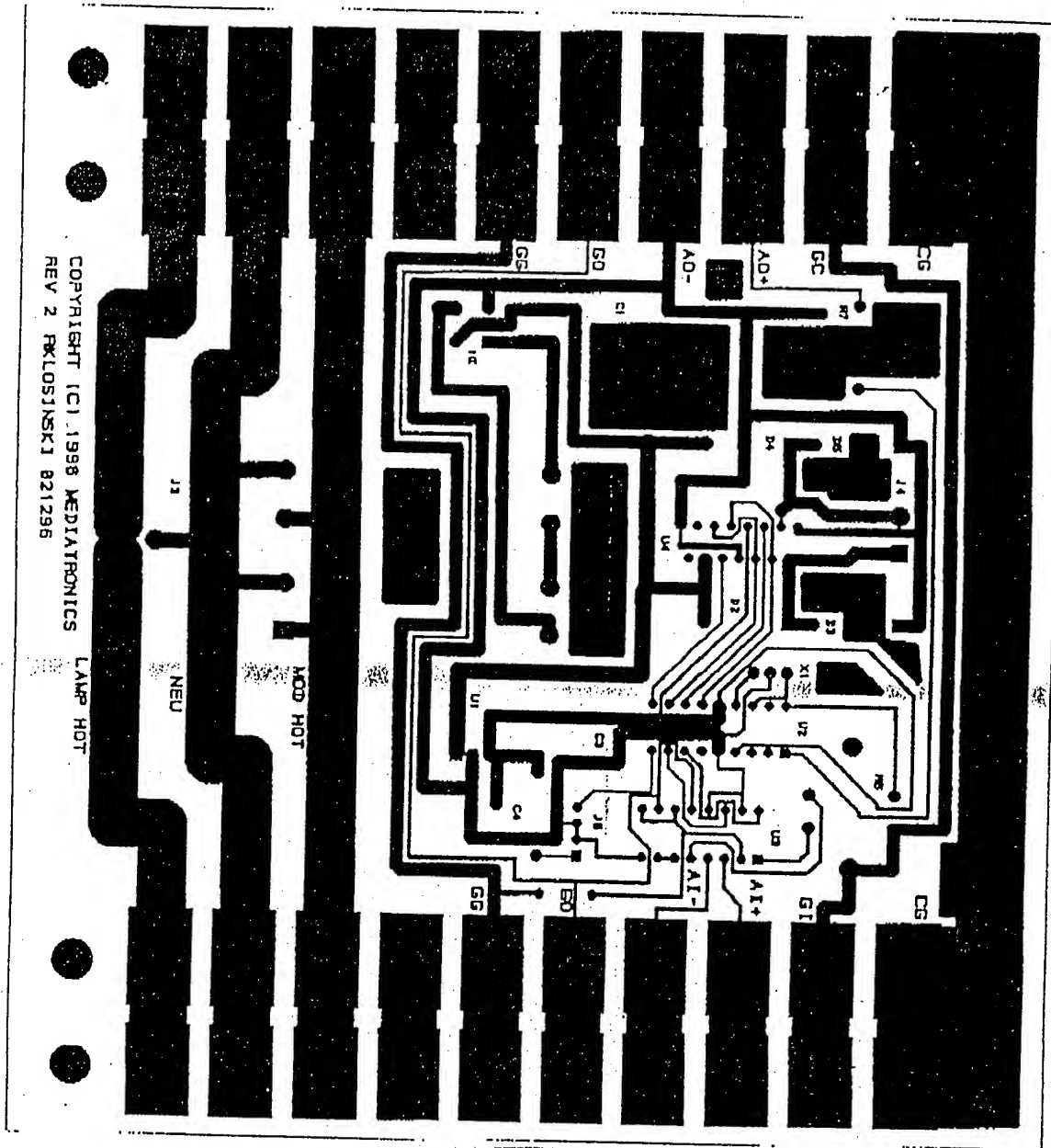
Go left

LEFT

RIGHT

13/19

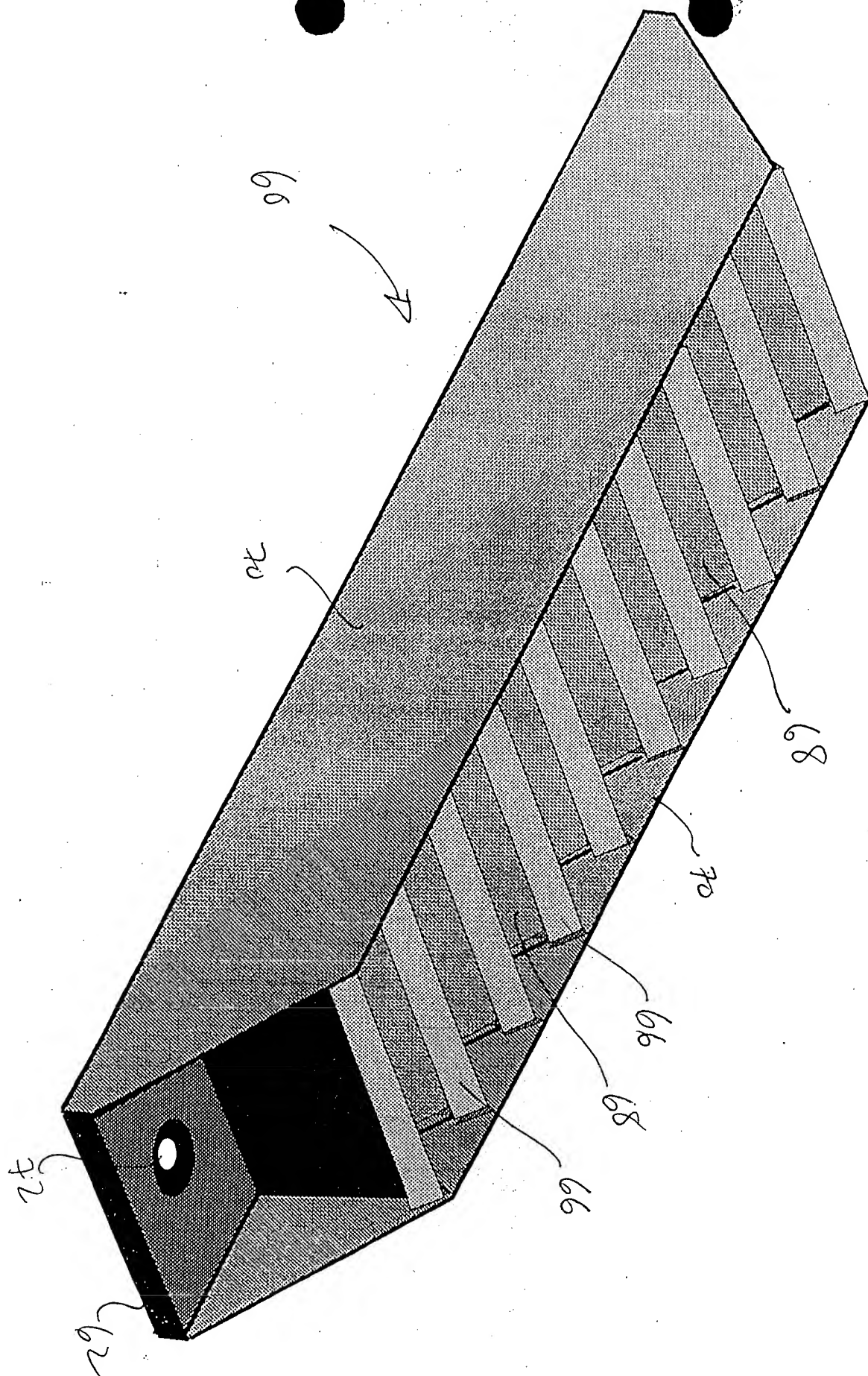
FIG. 14



THE UNIVERSITY OF CHICAGO

14/19

5-15

[illegible]

15/19

Fig. 16c

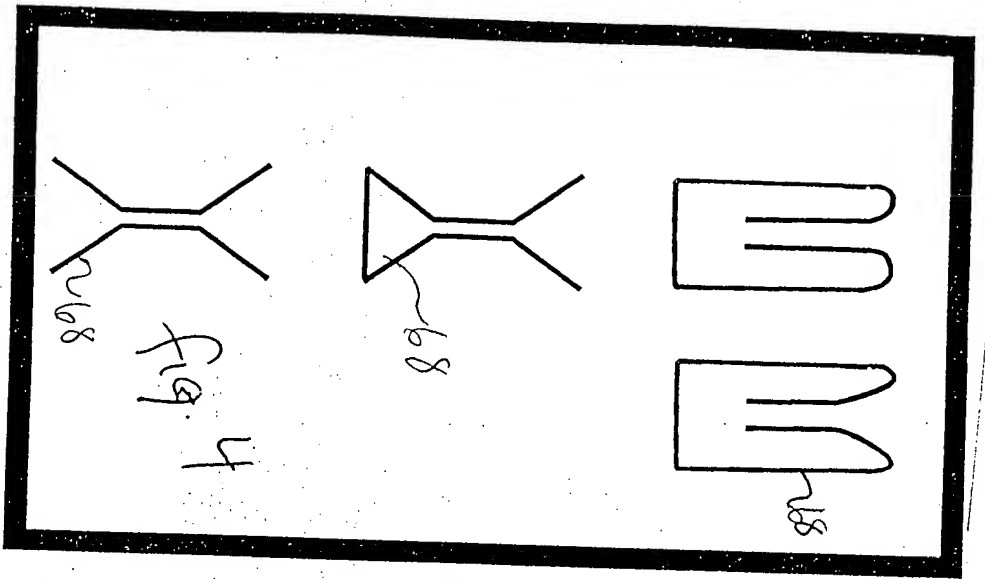


Fig. 16b

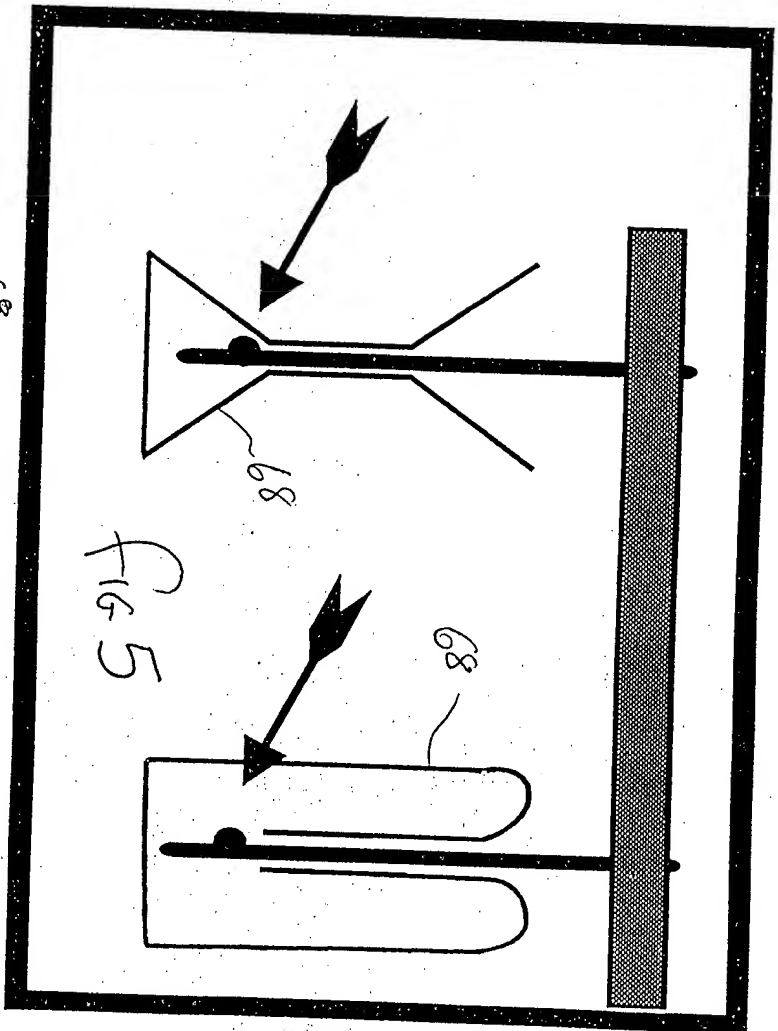
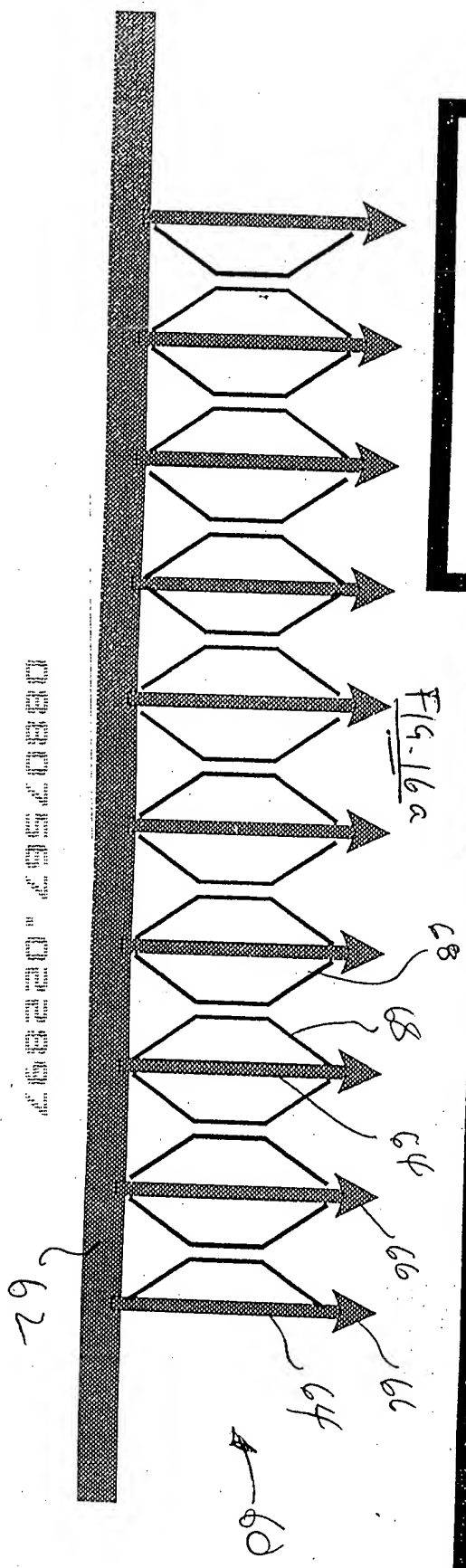


Fig. 5

Fig. 16a



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6/19

Fig. 17

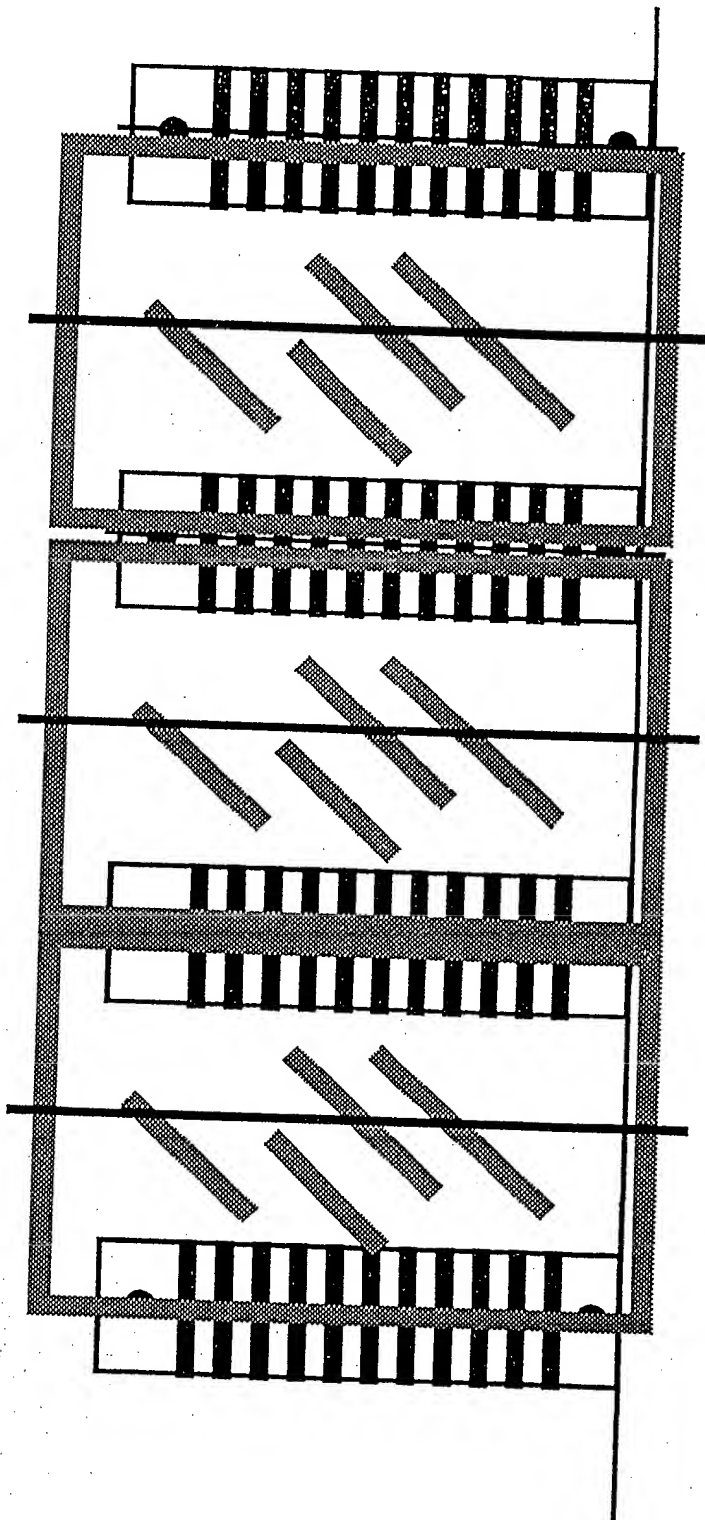
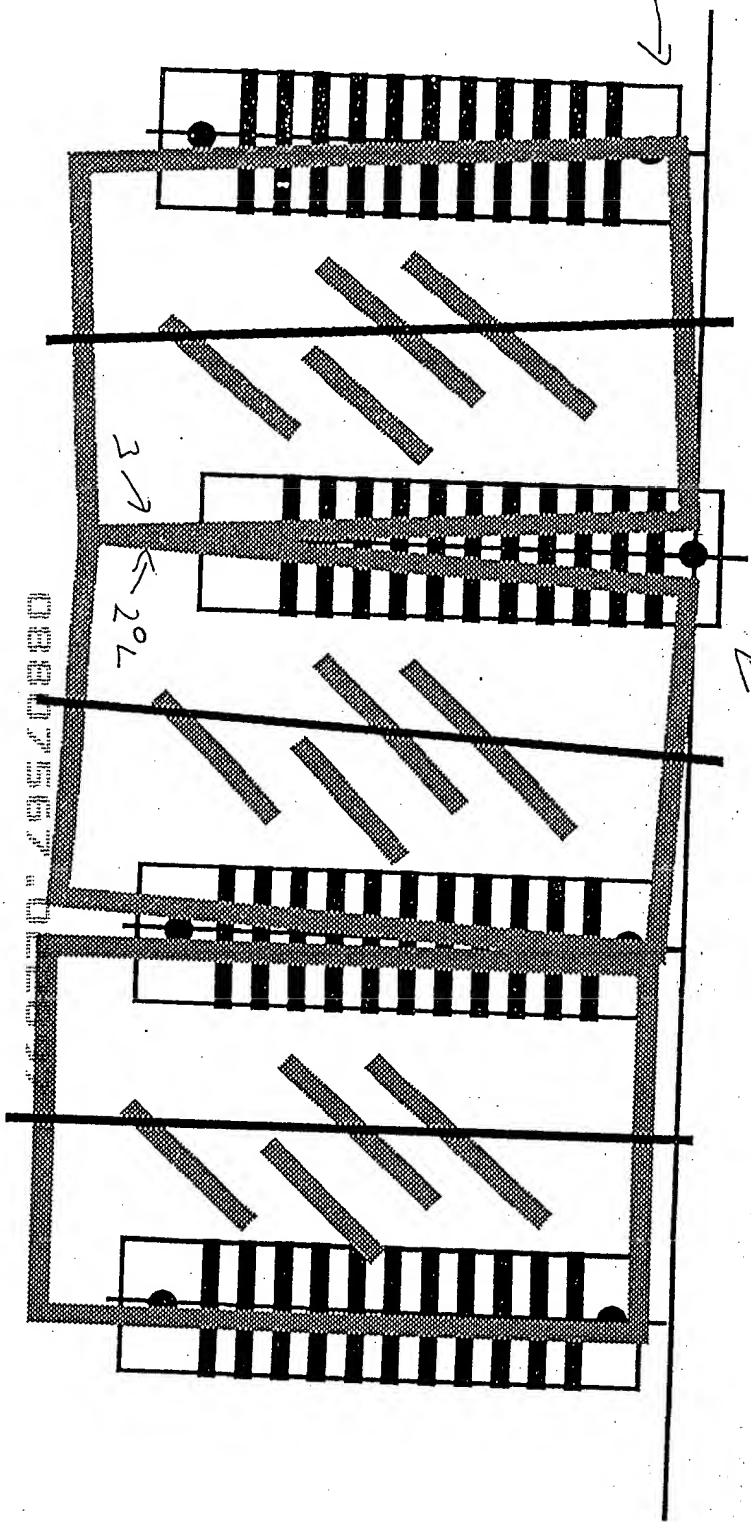


Fig. 18

2 →



08807567

17/19

FIG- 19

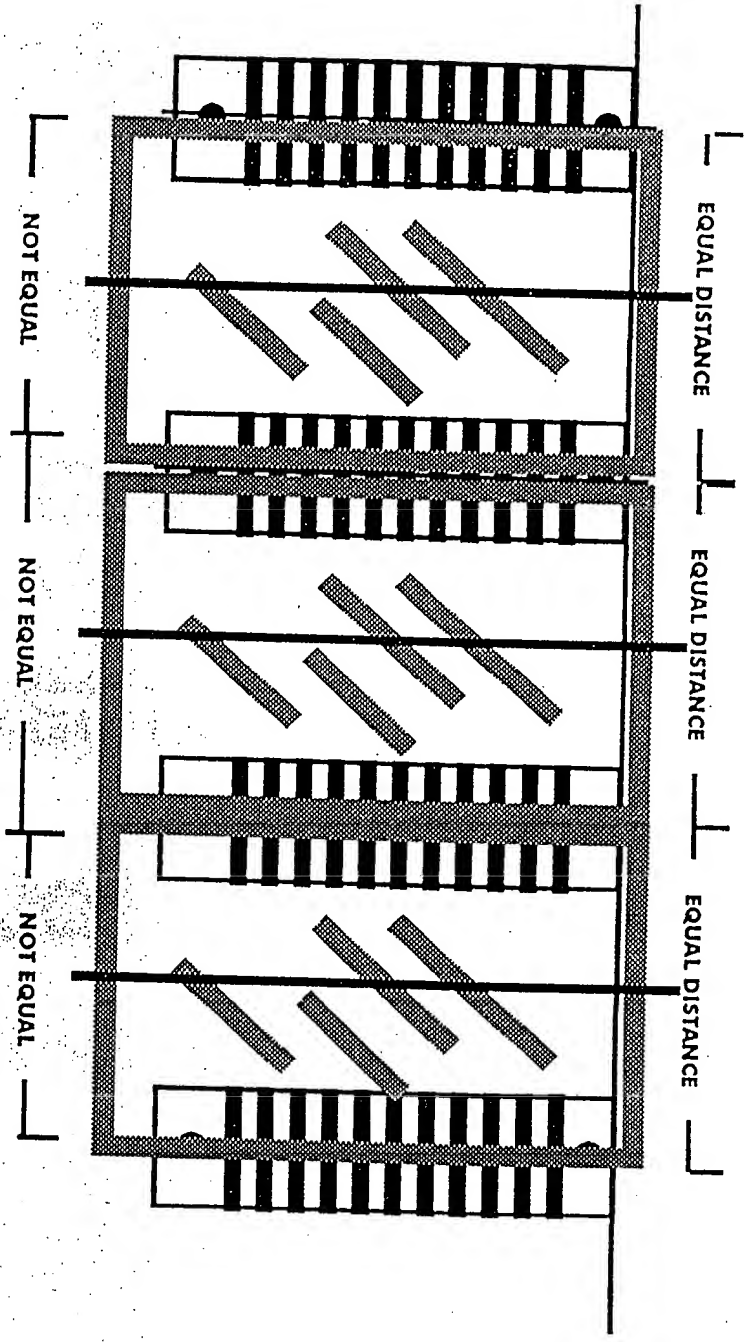
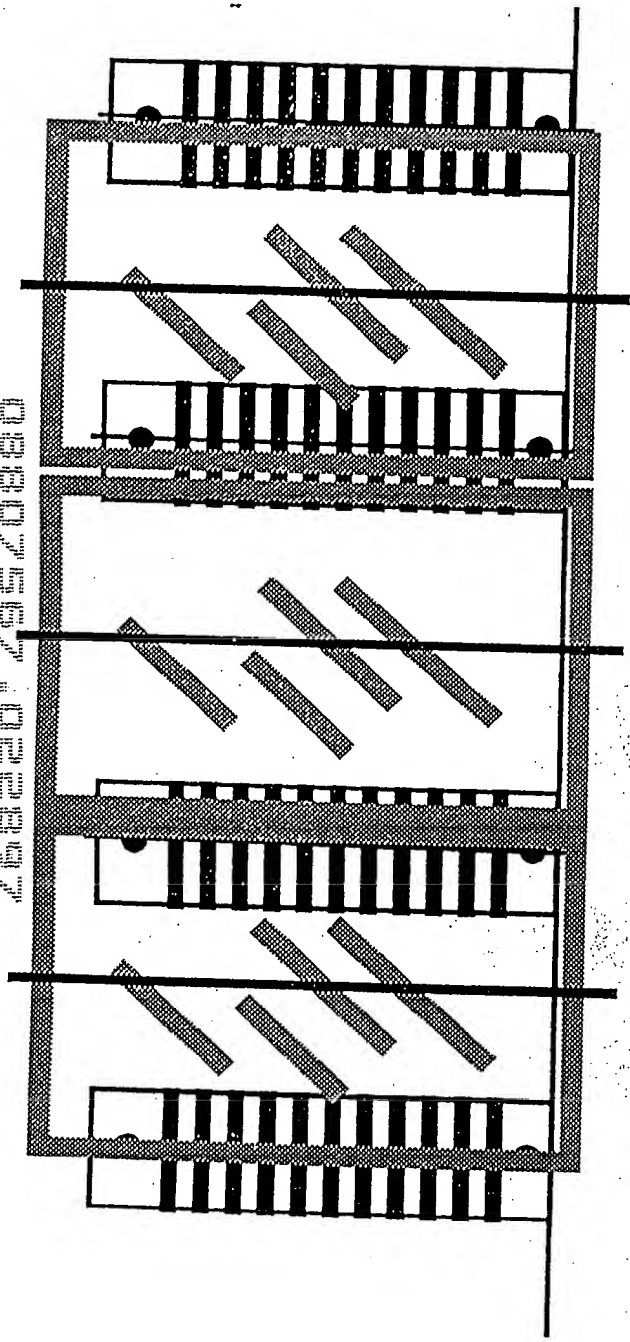


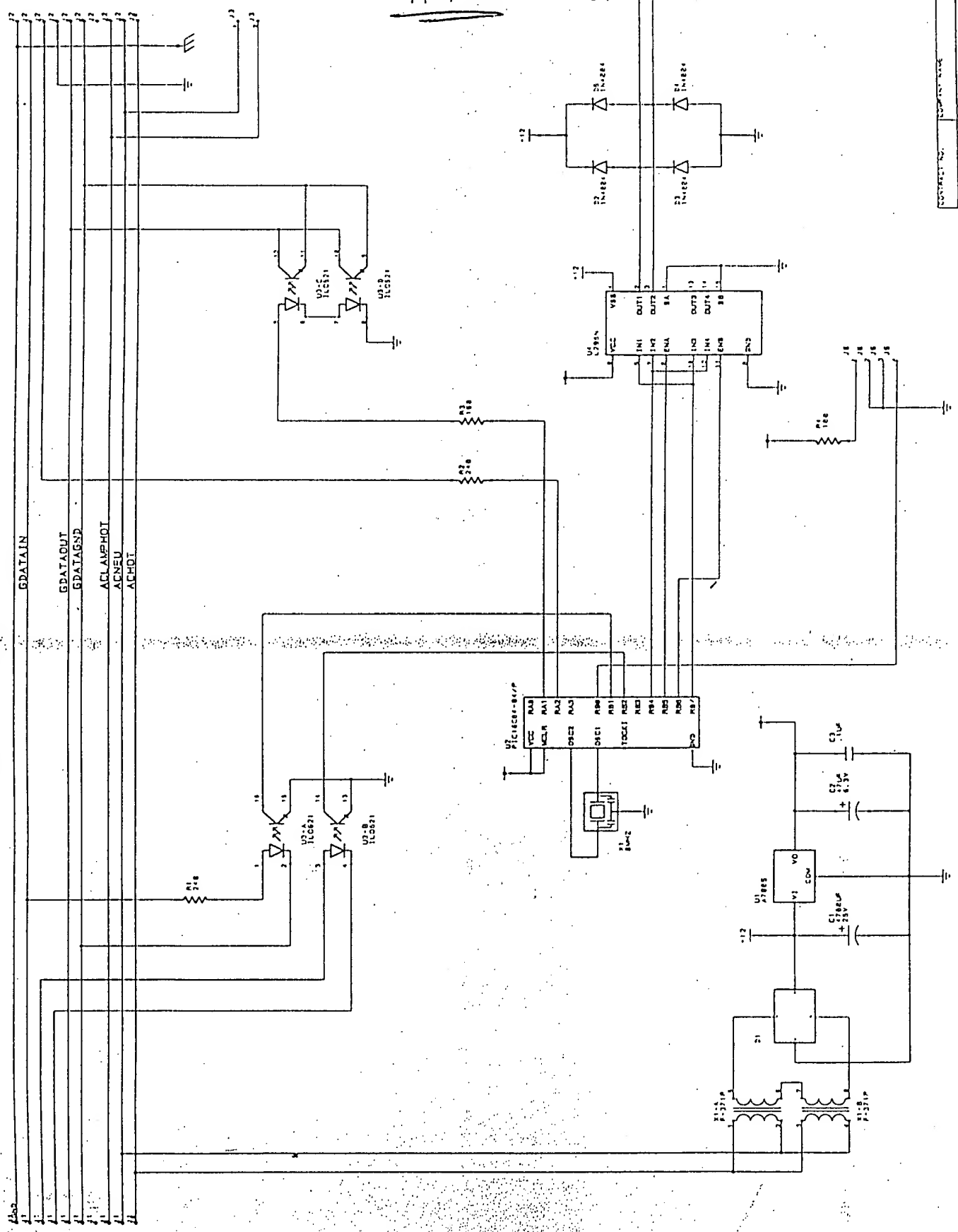
FIG- 20



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FIG. 21

REV	DATE	BY	CHKD	APPD
1	11/15/00	WJG		
2	11/15/00	WJG		
3	11/15/00	WJG		
4	11/15/00	WJG		
5	11/15/00	WJG		
6	11/15/00	WJG		
7	11/15/00	WJG		
8	11/15/00	WJG		
9	11/15/00	WJG		
10	11/15/00	WJG		



19/19

REF DES	DESCRIPTION	QTY	MFGR.	PN	NOTES
R1-2	RES, 240, 1/4W, 5%	2	ANY		
R3	RES, 160, 1/4W, 5%	1	ANY		
R4	RES, 100, 1/4W, 5%	1	ANY		
C1	CAP, 4700UF, 25V, ELEC	1	PANISONIC	ECE-B1EU472	
C2	CAP, 100UF, 6.3V, ELEC	1	PANISONIC	ECE-A0JU101	
C3	CAP, .1UF, 50V, MONO	1	ANY		
U1	IC, REG, 5V	1	ANY	A7805	
U2	IC, PIC16C84-04/P	1	MICROCHIP	PIC16C84-04/P	
U3	OPTO, ISO, 4 CHANNEL	1	SEIMENS	ILQ621	
U4	IC, H-DRIVER, 2 CHANNEL	1	SGS	L298N	
D1	REC, BRIDGE	1	GI	W005G	
D2-5	DIODE, 1N4004	4	ANY	1N004	
J1-2	LUGS, SPADE	20	KEYSTONE	1281	
J3-4	JACK, POWER	2	AMP	350759-4	
J5	HEADER, 4 PIN	1	CFX		
T1	XFORMER	1	MAGNETEK	FS12-1600	
	HEATSINK, TO-220	1		57404B	

MISC

REF DES	DESCRIPTION	QTY	MFGR.	PN	NOTES
CM1-2	CAP, .1UF, 50V, MONO	2	ANY		FOR MOTOR
P1-2	PLUG, POWER	2	AMP	1-480698-0	FOR MOTOR AND LAMP
OPTO1	OPTO, REFLECTIVE	1	OMRON	EE-SB5	
	PINS, POWER	4	AMP	350706-1	

25820" 2957